

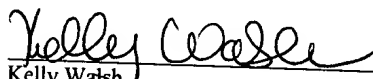


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DeRobertis et al. Examiner: Unknown
Serial No.: 09/903,325 Group Art Unit: 1647
Filed: July 11, 2001 Docket: 510015-257
Due Date: N/A
Title: ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS - MURINE FRAZZLED (FRZB-1) PROTEIN

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this correspondence and identified enclosures are being deposited with the United States Postal Service, first class mail, postage prepaid, under 37 C.F.R. 1.8 on the date indicated, and is addressed to the Commissioner for Patents, Washington, D.C. 20231 on March 29, 2002.


Kelly Walsh

Commissioner for Patents
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Information Disclosure Statement
- ☒ PTO Form 1449
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 16-2230. A duplicate of this sheet is enclosed.

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By: 

Name: Spyros J. Lazaris
Reg. No.: 45,981
SJL:kw

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	De Robertis, et al.	Examiner:	Unknown
Serial No.	09/903,325	Group Art Unit:	1647
Filed:	July 11, 2001	Docket No.	510015-257
Title:	ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS – MURINE FRAZZLED (FRZB-1) PROTEIN		

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Kelly Walsh

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Commissioner for Patents
Washington, D.C. 20231

Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the issuance of an office action in the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(d)(1) and (2) copies of each document cited in the IDS is not submitted. Rather, the Applicant cites to all references submitted or cited in application numbers: 08/878,474 & 09/552,988 and for the Examiner's review.

S/N 09/903,325

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 16-2230.

Respectfully submitted,

Date: MARCH 29, 2002

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FORM 1449*

INFORMATION DISCLOSURE STATEMENT

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: 510015-257

Application Number: 09/901,323

Applicant: De Robertis et al.

Filing Date: July 11, 2001

Group Art Unit: 1647

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,457,048	10/10/1995	Pasquale et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
94/05791	03/17/1994	PCT				
94/05800	03/17/1994	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Bouwmeester et al., "Cerberus is a head-inducing secreted factor expressed in the anterior endoderm of Spemann's organizer," <i>Nature</i> , 382:6592, pp. 595-601 (15 August 1996)
	Christian et al., "Interactions between <i>Xwnt-8</i> and Spemann organizer signaling pathways generate dorsoventral pattern in the embryonic mesoderm of <i>Xenopus</i> ," <i>Genes & Development</i> , 7, pp. 13-28 (1993)
	Gribkov et al., "[9] Profile Analysis," <i>Methods of Enzymology</i> , 183, pp. 146-159 (1990)
	Krasnow et al., "dishevelled is a component of the frizzled signaling pathway in <i>Drosophila</i> ," <i>Development</i> , 121, pp. 4095-4102 (1995)
	Leyns et al., "Frzb-1 is a Secreted Antagonist of Wnt Signaling Expressed in the Spemann Organizer," <i>Cell</i> , 88, pp. 747-756 (March 21, 1997)
	Mayr et al., "Fritz: a secreted frizzled-related protein that inhibits Wnt activity," <i>Mechanisms of Development</i> , 63, pp. 109-125 (1997).
	Moon et al., "Structural Related Receptors and Antagonists Compete for Secreted Wnt Ligands," <i>Cell</i> , 88, pp. 725-728 (March 21, 1997)
	Sano et al., "Protocadherins: a large family of cadherin-related molecules in central nervous system," <i>The EMBO Journal</i> , 12:6, pp. 2249-2256 (1993)
	Sasai et al., "Xenopus <i>chordin</i> : A Novel Dorsalizing Factor Activated by Organizer-Specific Homeobox Genes," <i>Cell</i> , 79, pp. 779-790 (December 2, 1994)
	Sasai et al., "Regulation of neural induction by the Chd and Bmp-4 antagonistic patterning signals in <i>Xenopus</i> ," <i>Nature</i> , 376, pp. 333-336 (27 July 1995)
	Sokol et al., "A Mouse Macrophage Factor induces Head Structures and Organizes a Body Axis in <i>Xenopus</i> ," <i>Science</i> , 249, pp. 561-564 (3 August 1990)
	Smith et al., "Injected <i>Xwnt-8</i> RNA Acts Early in <i>Xenopus</i> Embryos to Promote Formation of a Vegetal Dorsalizing Center," <i>Cell</i> , 67, pp. 753-765 (November 15, 1991)
	Smith et al., "Expression Cloning of a noggin, a New Dorsalizing Factor Localized to the Spemann Organizer in <i>Xenopus</i> Embryos," <i>Cell</i> , 70, pp. 829-840 (September 4, 1992)
	Vinson et al., "A <i>Drosophila</i> tissue polarity locus encodes a protein containing seven potential transmembrane domains," <i>Nature</i> , 338, pp. 263-264 (16 March 1989)
	Vinson et al., "Directional non-cell autonomy and the transmission of polarity information by the frizzled gene of <i>Drosophila</i> ," <i>Nature</i> , 329, pp. 549-551 (8 October 1987)
	Wang et al., "A Large Family of Putative Transmembrane Receptors Homologous to the Product of the <i>Drosophila</i> Tissue Polarity Gene frizzled," <i>J. of Biol. Chem.</i> , 271:8, pp. 4468-4476 (February 23, 1996)
	Wang et al., "Frzb, a Secreted Protein Expressed in the Spemann Organizer, Binds and Inhibits Wnt-8," <i>Cell</i> , 88, pp. 757-766 (March 21, 1997).
	Daniel et al., "Mapping of Linear Antigenic Sites on the S Glycoprotein of a Neurotropic Murine Coronavirus with Synthetic Peptides: A Combination of Nine Prediction Algorithms Fails to Identify Relevant Epitopes and Peptides Immunogenicity..." <i>Virology</i> , 202, pp. 540-549 (1994)
	Marieb, Elaine N., <i>Human Anatomy and Physiology</i> , Second Edition, The Benjamin/Cummings Publishing Company, Inc., pp. 373, 375, 132, 985, and 986 (1992)
	Nathan and Sporn, "Cytokines in Context," <i>the Journal of Cell Biology</i> , 113 (5), pp. 981-986 (June 1991)
	Alberts et al., <i>Molecular Biology of the Cell</i> , January 1994, Garland Publishing, Inc., New York, NY, page(s) G-6, G-9, G-17, G-23, 1142, and 1144-1145

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE